

ABSTRACT

~~The invention relates to a method of making a~~ A Motor vehicle wheel arch comprising both has a body of thermoplastic material ~~having with an opening, and a mat closing said the~~ opening and fixed to the body by strips of thermoplastic material ~~secured to said body, the method comprising.~~ A method of making the arch includes injecting the strips of thermoplastic material onto the mat and allowing them to solidify in contact therewith. ~~On at least one strip of thermoplastic material, an edge is formed of thickness that is reduced relative to the thickness of the remainder of the strip.~~ An edge is formed on a reduced thickness portion of the strip. In cross-section, the edge thickness ~~of the edge is related~~ relates to the edge width ℓ ~~of the edge~~ by a mathematical function f such that:

$$\int_0^{\ell} f(x) dx \geq h^2$$

where h is the height of the edge at its junction with the strip. ~~The invention also provides a wheel arch obtained in this way.~~